Remarks

By this amendment, Applicant hereby cancels claim 1-11 without prejudice or disclaimer. Furthermore, Applicant adds claims 12-41.

Applicant submits that claims 12-41 are supported by the specification as originally filed. Furthermore, Applicant submits that claims 12-41 are allowable at least because they relate to performing a quasi-Newton update of the Jacobian matrix and/or generating a Jacobian matrix using a sliding window and a uniform conductivity vector.

Applicant asks that all claims be examined in view of the amendment to the claims.

Enclosed is a check for excess claim fees. No other fees are believe to be required by this paper. Please apply any other charges or credits to deposit account 06-1050.

Respectfully submitted,

Date: _August 20, 2003_   _William R. Borchers_
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